

BRAIN RESEARCH

MOLECULAR BRAIN RESEARCH

VOL. 92 NOS. 1,2

CONTENTS

15 AUGUST 2001

Cited in Biological Abstracts (BIOSIS) – Chem. Abstracts – Index Medicus (MEDLINE) – Current Contents (Life Sci.) – EMBASE/Excerpta Medica – Psychological Abstracts (PsycINFO) – Pascal et Francis (INIST-CNRS) – RIS (Reference Update) – Elsevier BIOBASE/Current Awareness in Biological Sciences. Full text available in ScienceDirect® and Neuroscion

Guide for Authors

v

Themes and Topics

ix

Announcements

Floyd E. Bloom appointed as Co-Editor-in-Chief of *Brain Research*

xi

Brain Research Interactive Young Investigator Awards

xii

Brain Research Interactive Young Investigator Awards–October 2000

xiii

Call for papers–Gene Expression Patterns

xiv

Interactive reports (Also accessible on the World Wide Web at <http://www.bres-interactive.com>)

Proteomic analysis of proteins in PC12 cells before and after treatment with nerve growth factor: increased levels of a 43-kDa chromogranin B-derived fragment during neuronal differentiation

181

C.-M. Huang, H.-A. Shui, Y.-T. Wu, P.-W. Chu, K.-G. Lin, L.-S. Kao, S.-T. Chen (Taiwan)

Sox8 gene expression identifies immature glial cells in developing cerebellum and cerebellar tumours

193

Y.-C. Cheng, C.-J. Lee, R.M. Badge, A.T. Orme, P.J. Scotting (UK)

Research reports

Differential expression patterns of three glutamate transporters (GLAST, GLT1 and EAAC1) in the rat main olfactory bulb

1

M. Utsumi, K. Ohno, H. Onchi, K. Sato, M. Tohyama (Japan)

Suppression of Ca^{2+} influx through L-type voltage-dependent calcium channels by hydroxyl radical in mouse cerebral cortical neurons

12

K. Shirotani, M. Katsura, A. Higo, M. Takesue, Y. Mohri, K. Shuto, C. Tarumi, S. Ohkuma (Japan)

Analysis of human *Per4*

19

A.L. Gotter, S.M. Reppert (USA)

Neuronal expression of mint1 and mint2, novel multimodular proteins, in adult murine brain

27

Y. Nakajima, M. Okamoto, H. Nishimura, K. Obata, H. Kitano, M. Sugita, T. Matsuyama (Japan)

Central and peripheral dysregulation of melanin-concentrating hormone in obese Zucker rats

43

A. Stricker-Krongrad, T. Dimitrov, B. Beck (USA, France)

A null mutation in guanylate cyclase-1 alters the temporal dynamics and light entrainment properties of the iodopsin rhythm in cone photoreceptor cells

49

P. Larkin, S.L. Semple-Rowland (USA)

Expression of α -synuclein in the human brain: relation to Lewy body disease

58

K. Wirdefeldt, N. Bogdanovic, L. Westerberg, H. Payami, M. Schalling, G. Murdoch (Sweden, USA)

Serotonin 2A receptor regulation of striatal neuropeptide gene expression is selective for tachykinin, but not enkephalin neurons following dopamine depletion

66

G.J. Basura, P.D. Walker (USA)

Altered emotional behavior in PACAP-type-I-receptor-deficient mice

78

C. Otto, M. Martin, D. Paul Wolfer, H.-P. Lipp, R. Maldonado, G. Schütz (Germany, Spain, Switzerland)

Functional characterization of the human Huntington's disease gene promoter

85

C. Holzmann, T. Schmidt, G. Thiel, J.T. Eppen, O. Riess (Germany)

The cyclic AMP response element in the Bcl-2 promoter confers inducibility by hypoxia in neuronal cells

98

K. Freeland, L.M. Boxer, D.S. Latchman (UK, USA)

Sequential changes in AMPA and NMDA protein levels during Fe^{3+} -induced epileptogenesis

107

T. Doi, Y. Ueda, J. Tokumaru, Y. Mitsuyama, L.J. Willmore (Japan, USA)

Persistent corticotropin-releasing factor₁ receptor desensitization and downregulation in the human neuroblastoma cell line IMR-32

115

P.H. Roseboom, C.M. Urben, N.H. Kalin (USA)

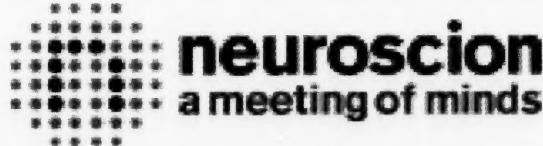
(Contents continued inside)



0169-328X(20010815)92:1/2;1-K

(contents continued)

| | |
|---|-----|
| Effects of experimental diabetes on axonal and Schwann cell changes in sciatic nerve isografts L. Eckersley, A.D. Ansselin, D.R. Tomlinson (UK, Australia) | 128 |
| Increase in expression of the GABA _A receptor α_4 subunit gene induced by withdrawal of, but not by long-term treatment with, benzodiazepine full or partial agonists P. Follesa, E. Cagetti, L. Mancuso, F. Biggio, A. Manca, E. Maciocco, F. Massa, M. Speranza Desole, M. Carta, F. Busonero, E. Sanna, G. Biggio (Italy) | 138 |
| Ribozyme-mediated reduction of the GABA _A receptor $\alpha 1$ subunit J.R. Subramaniam, L. Corsi, S. Vicini, P.J. Whiting, J.H. Neale (USA, UK) | 149 |
| Transient changes of brain-derived neurotrophic factor (BDNF) mRNA expression in hippocampus during moderate ischemia induced by chronic bilateral common carotid artery occlusions in the rat R. Schmidt-Kastner, J. Truettner, B. Lin, W. Zhao, I. Saul, R. Busto, M.D. Ginsberg (USA) | 157 |
| <i>Short communications</i> | |
| Differential usage of multiple brain-derived neurotrophic factor promoter in rat dorsal root ganglia following peripheral nerve injuries and inflammation D.-S. Kim, S.-J. Lee, H.-J. Cho (South Korea) | 167 |
| Retinoic acid receptors are expressed in human primary astrocytes and their agonists inhibit parathyroid hormone-related peptide expression and secretion N. Chattopadhyay, E.M. Brown (USA) | 172 |
| Identification of purinergic receptors in retinal ganglion cells T.H. Wheeler-Schilling, K. Marquardt, K. Kohler, E. Guenther, R. Jabs (Germany) | 177 |
| <i>Author index</i> | 201 |



To view articles from this journal, visit **Neuroscion**,
the comprehensive neuroscience information service on the web.
Register today at **www.neuroscion.com**